



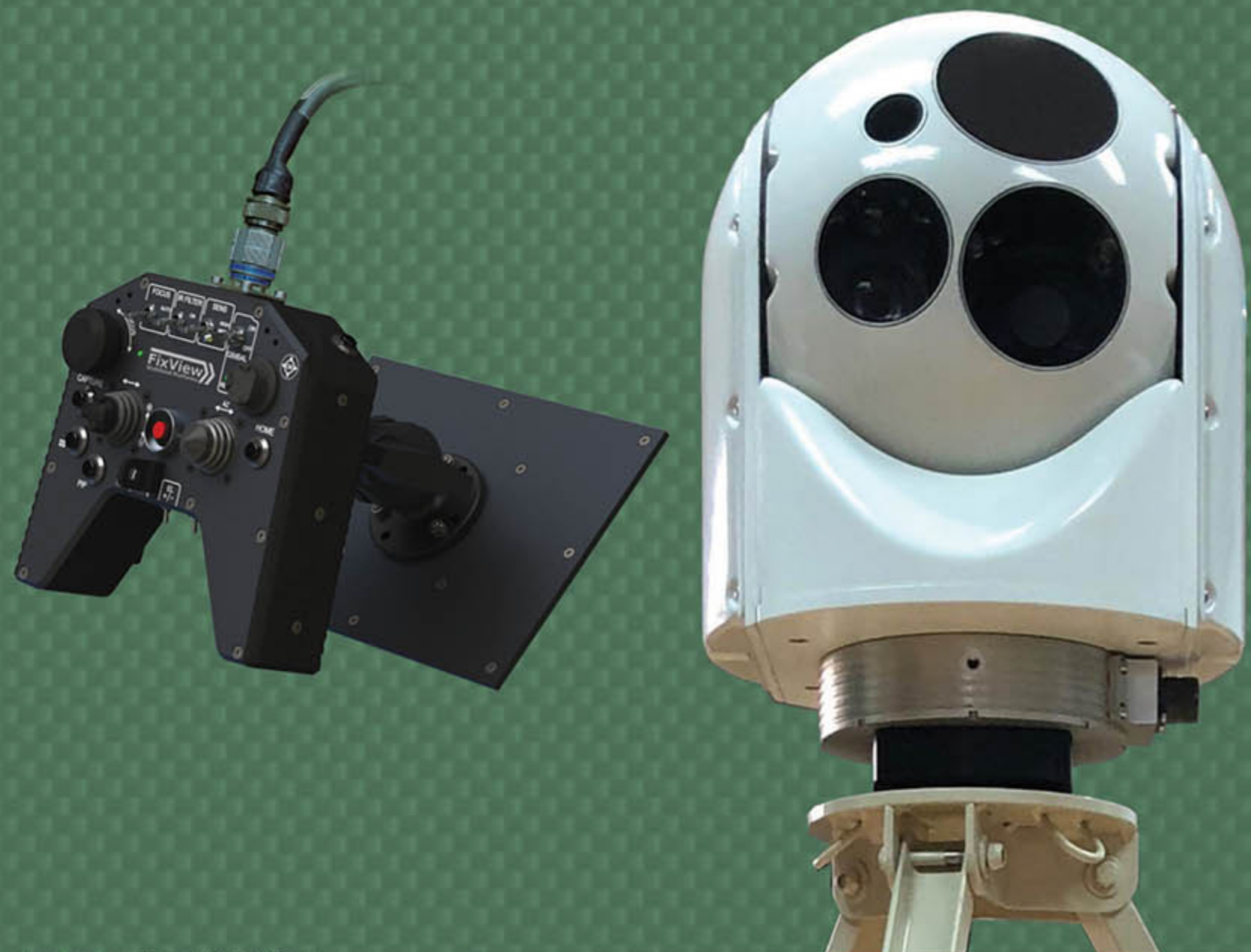
Key Features

- Full-HD continuous 30x optical zoom camera
- Full-HD Spotter camera (HFOV 0,68°)
- Target detection
- Target tracking
- Picture in picture capability
- ITAR-free exportable product
- Digital contrast enhancement
- IR Large Format (640 x 512)
- Laser rangefinder 0.3 - 32.0 Km (10Km NATO)
- Laser pointer
- Upgradable architecture for extra sensors
- 4-axis active gyro stabilized
- Integrated 6-axis passive isolation
- Light weight 17Kg (37.5lb)
- Mil-spec environmental standards for maritime ops qualified
- Embedded metadata on OSD - KLV
- Full rugged Gimbal, OBC (On Board Computer) and Joystick
- Searchlight integration
- Radar data integration

FixView System FV-Sea300

Maritime environment is one of the roughest conditions to operate. This multi sensor compact system was conceived to face a wide range of surveillance, intelligence, search & rescue and reconnaissance missions on Police/Coast Guard patrol and military vessels.

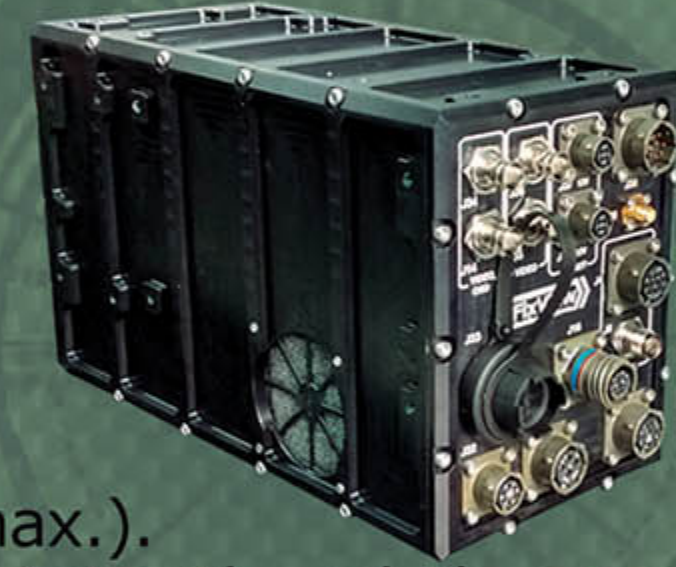
The FV Sea300 low light and thermal camera provides the capability to fulfill any mission in complete darkness scenarios. The advantages are the state-of-the-art technologies involved in the development of the FV-Sea300 system, which pushes forward the evolution of any vessel to the next step on security, navigation and military operations.



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OBC (On Board Computer) - Features

- Compact full rugged system.
- Intel Core i7/5th Generation processor/8gb RAM.
- 256 SSD(Solid State Hard Disk).
- Integrated 10 Hz GPS.
- Auto Tracking target.
- Screenshots visualization/storage.
- USB 3.0 data download port.
- Power regulation and distribution embedded to feed the complete FV-Sea300 system, auxiliary 12Vdc output (120W max.).
- Configurable OSD and metadata: Hour, Date, GPS coordinates, Azimuth and Elevation camera position, Radar shared data, vessel speed, editable fields text (vessel id, operator name, mission title, etc.)



Gimbal

| | |
|----------------------|--------------------------------|
| Weight | 17 kg (37.5 lb) |
| Diameter | 300mm (11.8") |
| Movement | Az/EI 360° Continuous - 90°/s |
| System | 4 axis, active gyro-stabilized |
| Stabilization | <5 µRad RMS (Fiber Optic Gyro) |

Laser Pointer (Optional)

| | |
|---------------------|------------------|
| Type | Class 3B / 515nm |
| Output Power | 100mw |

Laser Rangefinder (Optional)

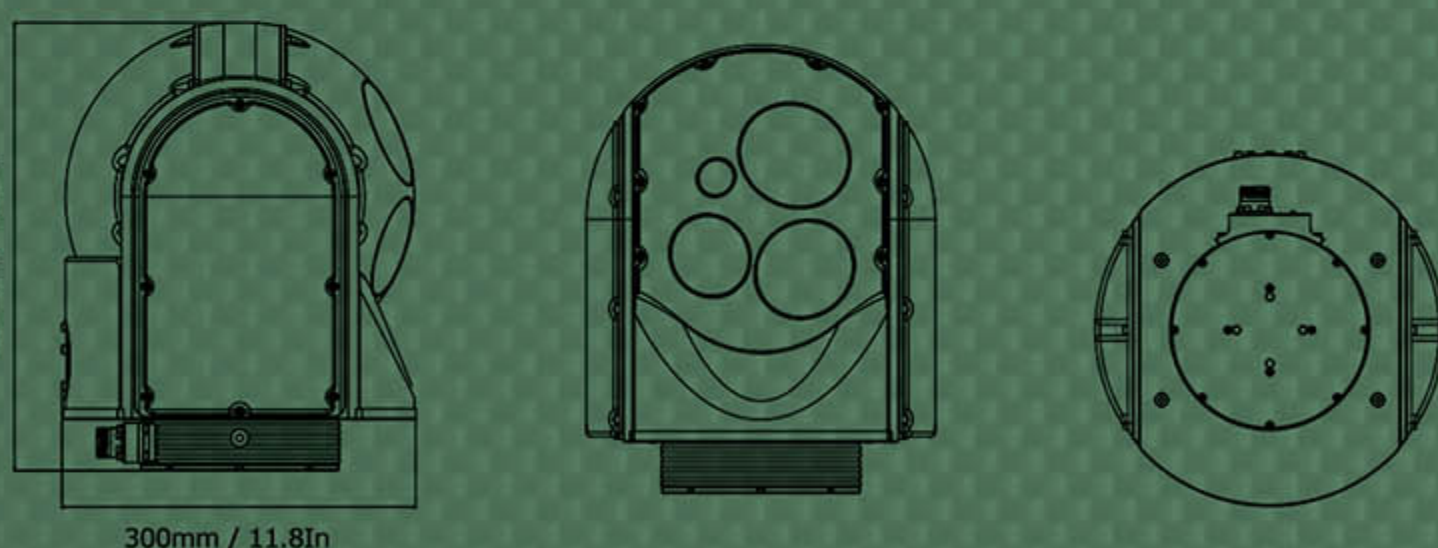
| | |
|-------------------|----------------------------|
| Type | Class 1 / 1.5µm |
| Range | 50m - 32000m (NATO 10000m) |
| Divergence | 0.35µRad |

Display

| | |
|---------------------|---------------------|
| OSD | Configurable |
| PIP | Picture in Picture |
| Split Screen | Vertical/Horizontal |
| Metadata | KLV compatible |

Power Requiements (Complete System)

| | |
|-----------------|-----------------------------------------|
| 18-36Vdc | 100W (avg) / 180W (max with heaters on) |
|-----------------|-----------------------------------------|



Daylight Sensor / Low Light Function

| | |
|--------------------|---------------------------------------|
| Resolution | FullHD 1080p / 25fps |
| Enhancement | Defog function |
| Zoom | Continuous 30x optical / 2-4x Digital |
| HFOV | 63.7°Wide, 2.3°Narrow (Horizontal) |
| IR Filter | Removable |
| Sensitivity | 0.01lux min. |



Spotter Sensor

| | |
|-------------------|--------------|
| Resolution | FullHD 1080p |
| HFOV | 0.68° |



Thermal Sensor

| | |
|---------------------|--------------------------------------------------------|
| Type | 3-5µm MWIR array, Cooled |
| Resolution | 640 x 512 / 25Hz. |
| Optical Zoom | 18-275mm continuous zoom |
| FOV | WFOV: 30.6°(H) x 24.5°(V) NFOV: 2.05°(H) x 1.64°(V) |
| Pixel Size | 15µm |
| Enhancement | Digital contrast |



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